

EPA Registration Number 91234-24

PROCESSING REQUEST

Reg # 91234-EU

Decision # 519784

Description: acceptable new product

Electronic Label & Letter
(see PPLS):

OR

**Non Electronic
Label & Letter**
(Scanning required):

☒ Dated: 12/9/2016

☐ Dated:

Only one label type should be selected

Other Materials Sent (see jacket):

☐ New CSF(s) Dated:

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Katelynn E. King

Division: RD

Phone: 703-347-0193

Date: 12/09/16

Rodia, Carmen

From: Rodia, Carmen
Sent: Monday, December 12, 2016 5:17 PM
To: King, Katelynn
Cc: Gebken, Richard
Subject: RE: 91234-24 Notice of Registration

Katelynn, we can figure this out when I get to the office tomorrow morning. Have a good night. Carmen.

Carmen J. Rodia, Jr.

Carmen J. Rodia, Jr.
Environmental Protection Specialist
U.S. EPA, Office of Pesticide Programs,
Registration Division, Invertebrate & Vertebrate Branch 2
1200 Pennsylvania Avenue, NW (7504P)
Washington, DC 20460-0001
(703) 306-0327 (tel)
(703) 308-0029 (fax)
Rodia.Carmen@epa.gov

From: King, Katelynn
Sent: Monday, December 12, 2016 4:24 PM
To: Gebken, Richard <Gebken.Richard@epa.gov>; Rodia, Carmen <Rodia.Carmen@epa.gov>
Subject: FW: 91234-24 Notice of Registration

Hi Carmen and Richard,

I have closed this action in OPPIN because the QA/QC reviewer completed it on Friday and the PRIA due date is today. Nicole says that the CSF should have been dated 11/15/2016 with new registration information but I do not have this CSF in the jacket. Should I ask her to send it again? I do not have any emails that she sent me with this CSF attached.

Katelynn

From: Nicole O'Loughlin [<mailto:Nicole@PyxisRC.com>]
Sent: Friday, December 09, 2016 5:10 PM
To: King, Katelynn <King.Katelynn@epa.gov>
Cc: Gebken, Richard <Gebken.Richard@epa.gov>; Rodia, Carmen <Rodia.Carmen@epa.gov>
Subject: RE: 91234-24 Notice of Registration

Hi Katelyn,

Thank you again for processing this registration. In reviewing the NOR, I see that the date for the basic CSF was 6/16/16, however I submitted an updated CSF (to update the Registrant information per the executed transfer) dated 11/15/16. Can you confirm that this CSF is in the registration jacket and approved? Nothing on the CSF is different from the 6/16 version other than the corrected registrant information.

Regards,
Nicole

Nicole O'Loughlin

Pyxis Regulatory Consulting, Inc.

4110 136th St. Ct. NW
Gig Harbor, WA 98332
(T): (253) 853-7369
(F): (253) 853-5516
(E): Nicole@PyxisRC.com

From: King, Katelynn [<mailto:King.Katelynn@epa.gov>]

Sent: Friday, December 9, 2016 1:30 PM

To: Nicole O'Loughlin <Nicole@PyxisRC.com>

Cc: Gebken, Richard <Gebken.Richard@epa.gov>; Rodia, Carmen <Rodia.Carmen@epa.gov>

Subject: 91234-24 Notice of Registration

Hello Nicole,

Please find attached to this email the final Notice of Registration and stamped clean label. I will also mail you a copy of the following:

- 1) Notice of Registration and stamped clean label dated 12/9/2016
- 2) End Use Product Chemistry Review dated 11/3/2016
- 3) Similarity Clinic Memo dated 8/11/2016

Please let me know if you have any questions. Thank you.

Katelynn King

Biologist, Registration Division, IVB2 (7505P)

US Environmental Protection Agency

Office: (703) 347-0193



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

91234-24

Date of Issuance:

12/9/2016

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

T103.01

Name and Address of Registrant (include ZIP Code):

Ms. Nicole O'Loughlin
Agent for Atticus, LLC
c/o Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Richard Gebken, Product Manager 10
Invertebrate & Vertebrate Branch 2
Office of Pesticide Programs

Date:

12/9/2016

2. You are required to comply with the data requirements described in the Generic DCI identified below:

- a. Chlorfenapyr GDCI-129093-1034

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 91234-24."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 06/16/2016

Page 3 of 3
EPA Reg. No. 91234-24
Decision No. 519784

If you have any questions, please contact Katelynn E. King by phone at (703) 347-0193, or via email at king.katelynn@epa.gov.

Sincerely,



Richard Gebken
Product Manager 10
Invertebrate & Vertebrate Branch 2
Office of Pesticide Programs

Enclosures: Master Label Stamped "Accepted," dated 12/09/2016

[Note to reviewer: [Text] in brackets denotes optional text.]
[Note to reviewer: {Text} in braces denotes where in the final label text will appear.]

{BOOKLET FRONT PANEL LANGUAGE}

T103.01
Insecticide

ACCEPTED

12/09/2016

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. **91234-24**

**For sale to, use and storage only by individuals/firms licensed or registered by the state to apply
termiticide and/or general pest control products.**

Active Ingredient:	By Wt.
*Chlorfenapyr:	21.45%
Other Ingredients	78.55%
Total	100.00%

*4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile.
T103.01 contains 2.0 pounds of active ingredient per gallon

Contains chlorfenapyr, the active ingredient used in Phantom®.
T103.01 it not manufactured or distributed by BASF Corporation, seller of Phantom®.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do
not understand the label, find someone to explain it to you in detail.)

**See inside booklet for complete First Aid, Precautionary Statements, Directions for Use, and
Conditions of Sale and Warranty.**

Manufactured For:
Atticus, LLC
501 Cascade Pointe, Suite 102
Morrisville, NC 27513

**EPA Reg. No.: 91234-XX
EPA Est. No.:**

Net Contents:

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
<p align="center">HOT LINE NUMBERS</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.</p>	

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. More options are available by following the instructions for **Category C** on an EPA chemical resistance category selection chart.

All pesticide handlers (mixers, loaders and applicators) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber or nitrile rubber ≥ 14 mils, neoprene ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils).
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash PPE before reusing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, birds and wildlife. Do not apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. Read entire label before using this product.

General Pest Control

General Information: T103.01 can be used inside residential structures (houses, apartments, etc.), meat, poultry & egg processing & packaging plants, the food/feed- and nonfood/feed-handling areas of food-handling establishments and commercial, institutional and warehousing establishments.

- Food-handling Establishments include places other than private residences where exposed food is held, processed, prepared or served. These include food service, manufacturing and processing establishments such as restaurants, cafeterias, supermarkets, mills, processing plants, bakeries, breweries, dairies, meat slaughtering and packing plants and canneries.
- Commercial, institutional and warehousing establishments include schools, groceries and supermarkets, restaurants and cafeterias, hotels and motels; hospitals and nursing homes, warehouses and industrial buildings, laboratories, zoos, pet shops, computer facilities, and sewers.

Use Precautions and Restrictions:

Precautions:

- Individuals without proper personal protective equipment should not be in immediate vicinity during application.
- Use only in well ventilated conditions.
- In hospitals and nursing homes, remove patients before treating rooms. Allow treated areas to dry before returning patients to treated rooms.
- Remove pets and cover or remove pet food/water and fish bowls prior to application
- In zoos, remove animals and cover or remove animal food/water prior to application.

Restrictions:

- Do not make general surface or space applications such as for pantry pests in cupboards, cabinets or in containers
- This product is not registered for use as a termiticide.
- Do not contaminate food or food contact surfaces.
- Do not apply to heating and air conditioning vents or ducts.
- Do not contact treated areas until spray has dried.
- Do not apply to aircraft cabins.

- Do not allow for contact to treated areas until spray has dried. Allow treated surfaces to dry before placing items.
- Do not apply in patient rooms or classrooms while in use.
- Do not apply water-based sprays where electrical short circuits could occur.
- Do not make surface applications to mattresses. Mattress treatments must be confined to the seams, folds, and edges only. Remove linens and wash before reuse. Allow to dry before remaking bed.

Mixing Instructions: To mix 1 or 5 gallons of finished dilution of T103.01 at concentrations of 0.25% or 0.50%, follow the instructions below:

- For 1 gallon of finished dilution of T103.01 at 0.25% concentration*, add 1.5 fl oz (44 ml).
- For 5 gallons of finished dilution of T103.01 at 0.25% concentration*, add 7.5 fl oz (220 ml).
- For 1 gallon of finished dilution of T103.01 at 0.5% concentration*, add 3.0 fl oz (88 ml).
- For 5 gallons finished dilution of T103.01 at 0.5% concentration*, add 15.0 fl oz (440 ml).

*Percentage weight of active ingredient to weight of spray solution.

Mixing T103.01 Finished Dilution:

1. Fill hand-pressurized or power-operated application equipment with $\frac{1}{2}$ to $\frac{3}{4}$ of the required amount of water.
2. Measure the required amount of T103.01.
3. Add T103.01 to the sprayer and fill with the remainder of the water.
4. Close sprayer and agitate to insure proper suspension.
5. Re-agitate material in sprayer before continuing if application is interrupted.

Pests Controlled: Use T103.01 to control many nuisance pests, stored product pests and occasional pests that infest structures, including:

- a. Ants (acrobat, Argentine, carpenter, odorous house, pavement, pharaoh's, and pyramid).
- b. Beetles (Asian lady, confused flour, darkling larva [yellow mealworms], saw-toothed grain), bed bugs, box-elder bugs, cockroaches (American, Asian, brown-banded, German, Oriental, smoky brown), European earwigs, house crickets, house flies, paper wasps*, and silverfish (* T103.01 is not a knockdown agent).
- c. Non-insect pests such as bark scorpions, centipedes, pill-bugs and spiders (black widow and cellar).

Application Instructions: Apply T103.01 as a spot or crack/crevice treatment where pests are found or can infest (i.e., nesting sites, hiding places, runways or breeding areas). Apply to surfaces beneath cabinets, spaces between equipment or expansion joints, surfaces behind sinks, lockers, water pipes, cabinets, or other pest hiding areas. Where possible, apply T103.01 directly to ant nests or nesting sites, ant trails or ant-infested wood or structural voids. Foam applications of T103.01 may be made in voids.

Apply a 0.5% dilution of T103.01 as a coarse, low-pressure spray. Against a light infestation of ants, or other pests, use the 0.25% dilution of T103.01. Use a straw tip or pin tip nozzle for crack and crevice applications. Do not apply T103.01 at a concentration higher than 0.5%. Do not reapply more often than every four weeks.

Interior Applications in Non-Food-Handling Areas

Spot or crack/crevice applications of T103.01 may be made in non-food/feed areas such as garbage rooms, lavatories, floor drains (to sewers), entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage.

Interior Applications in Food-Handling Areas

Food-handling areas are areas where food and food products are held, processed, prepared or served. Application of T103.01 in food-handling areas of food-handling establishments is limited to spot or crack/crevice treatments. The food-handling area may not be in operation during application. Exposed food must be covered or removed prior to application. After application, all food contact surfaces in the treated areas must be washed with an effective cleaning compound followed by a potable water rinse before resuming food operations. Do not apply directly to food, food packaging or food contact surfaces.

Limited Exterior Application to Structures

Exterior application of T103.01 is limited to spot and crack/crevice treatments where pests enter the structure such as around doors, windows, eaves, attic vents, and holes in exterior walls where utilities enter. Apply a maximum of 1.2 fl oz of dilution per 2 square feet.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container in secure dry storage area. Do not store below 32 degrees F. Do not store in direct sunlight or heat.

To Contain a Spill: In case of spills, avoid contact and isolate area. To confine spills, dike surrounding area or absorb with sand, cat litter, commercial clay, gel or similar absorbents.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

Nonrefillable Container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty to remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

Raindrop is a registered trademark of Delavan Corporation.
Teejet is a registered trademark of Spraying Systems Co.

Phantom® is a registered trademark of BASF Corporation.
T103.01 is not manufactured or distributed by BASF Corporation, seller of Phantom®.

[EPA approval date]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

T103.01

Insecticide

For sale to, use and storage only by individuals/firms licensed or registered by the state to apply termiticide and/or general pest control products.

Active Ingredient:	By Wt.
*Chlorfenapyr.....	21.45%
Other Ingredients.....	78.55%
Total.....	100.00%

*4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile.

T103.01 contains 2.0 pounds of active ingredient per gallon

Contains chlorfenapyr, the active ingredient used in Phantom®. T103.01 is not manufactured or distributed by BASF Corporation, seller of Phantom®.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBERS	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.	

**PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.
Pesticide Storage: Store in original container in secure dry storage area. Do not store below 32 degrees F. Do not store in direct sunlight or heat.
To Contain a Spill: In case of spills, avoid contact and isolate area. To confine spills, dike surrounding area or absorb with sand, cat litter, commercial clay, gel or similar absorbents.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

Nonrefillable Container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty to remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

See label booklet for additional Precautionary Statements and Directions for Use.

Manufactured For:
Atticus, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

**EPA Reg. No.: 91234-XX
EPA Est. No.:**

Net Contents:

Decision Information for 91234-EU

Decision Seq: 519784

Action Code: R301,NEW PRODUCT;IDENTICAL OR SUBSTANTIALLY SIMILAR I ...

FFS Start Date: 10-Aug-2016

Tentative Ind: No

Start/Stop Clock

FQPA Clock:

Due Date: 12-Dec-2016

75-Day Due Date:

Days Elapsed:

OPP Target Due Date:

21-Day Due Date: 10-Aug-2016

FFS Original Decision: ...

Negotiated Due Date:

45-Day Due Date: 26-Sep-2016

Registrant Response

Due Date:

Predecisional

28-Nov-2016

Add to Bundle? ☐

Current Status: PENDING (09-Dec-2016)

Bundle ID:

Decision Status

Tracking

Create Resubmission

FFS Letters

Waiver Documentation

Action Code History

Secondary Decision

Decision Bundle

☐ 75 Day Letters ☐ 45/90 Day Screen ☐ Primary Decisions ☐ Decision Milestone☐ FFS Negotiated Due Dates ☐ OPP Target Due Date ☐ Decision Comments ☐ Payment ☐ Unmatched Payments☐ Decision Ownership ☐ Receipts ☐ Data Package ☐ Reduced Risk ☐ Meetings & Milestones ☐ FFS Information

Receipts	Staff Member	Reg/DCI Number	Submission Due Dt	Response
S 996058	King, Katelynn	91234-EU	12-Dec-2016	PENDING
Submission of updated master label				
S 989309	King, Katelynn	91234-EU	12-Dec-2016	SUPERSEDED BY NEW RECEIPT
New Chorfenapyr termiticide product. Assigned by PM10.				

Viewing Record 1 of 1

Walsh, Michael

12/12/16
CRP CERTIFICATION

From: Roe, Lindsay
Sent: Tuesday, November 15, 2016 5:03 PM
To: Nicole O'Loughlin; Pahel, Lisa
Cc: Walsh, Michael
Subject: RE: CRP for pending registration 91234-EU

Hi, Nicole.

I just talked to Mike Walsh, the PM for this action. He requests that in addition to sending a revised CRP certification letter and a revised label to remove any reference to the 75 fl oz package, you submit a revised 8570-1 form with a revised Section III to reflect the packaging material for this product. The 8570-1 form must be dated for the date you submit these revised materials.

Thanks,
Lindsay

From: Nicole O'Loughlin [mailto:Nicole@PyxisRC.com]
Sent: Tuesday, November 08, 2016 3:17 PM
To: Pahel, Lisa <Pahel.Lisa@epa.gov>
Cc: Roe, Lindsay <Roe.Lindsay@epa.gov>
Subject: RE: CRP for pending registration 91234-EU

Hi Lisa,

I have updated the CRP Certification accordingly. Please let me know if the attached is acceptable and let me know if you need anything else.

Regards,
Nicole

Nicole O'Loughlin
Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332
(T): (253) 853-7369
(F): (253) 853-5516
(E): Nicole@PyxisRC.com

From: Pahel, Lisa [mailto:Pahel.Lisa@epa.gov]
Sent: Tuesday, November 08, 2016 6:33 AM
To: Nicole O'Loughlin <Nicole@PyxisRC.com>
Cc: Roe, Lindsay <Roe.Lindsay@epa.gov>
Subject: RE: CRP for pending registration 91234-EU

Hi Nicole,

Thank you for your email. Reading over what you sent, it looks as if the CRE and SAUE testing were both done on the 28mm, but only on the closure for the 38mm (rather than the entire package configuration, can you confirm?

Please update the CRP certification for the product with:

1. Whether CRP for this product voluntary or required
2. For each package: Testing information for the child-resistant effectiveness
 - a. Number of children tested
 - b. Number of children opening/accessing contents in full 10 minutes
3. For each package: Testing information for senior adult use effectiveness:
 - a. Number of adults tested
 - b. Number of adults unable to access package contents
4. Include the certification statement and your signature

Please let me know if you have any questions.

Thanks,
Lisa

From: Nicole O'Loughlin [<mailto:Nicole@PyxisRC.com>]
Sent: Monday, November 07, 2016 12:56 PM
To: Pahel, Lisa <Pahel.Lisa@epa.gov>
Cc: Roe, Lindsay <Roe.Lindsay@epa.gov>
Subject: RE: CRP for pending registration 91234-EU

Hi Lisa,

Please see the two attached reports to support the 28mm and 38mm closures for the tip-n-measure bottles. I have also corrected the application form to correctly identify the use of CRP packaging.

Let me know if there is anything else.

Regards,
Nicole

Nicole O'Loughlin
Pyxis Regulatory Consulting, Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332
(T): (253) 853-7369
(F): (253) 853-5516
(E): Nicole@PyxisRC.com

From: Pahel, Lisa [<mailto:Pahel.Lisa@epa.gov>]
Sent: Friday, November 04, 2016 1:09 PM
To: Nicole O'Loughlin <Nicole@PyxisRC.com>
Cc: Roe, Lindsay <Roe.Lindsay@epa.gov>
Subject: CRP for pending registration 91234-EU

Hi Nicole,

I wanted to follow up with you regarding my voicemail earlier today. The CRP team needs some additional information from you to be included in the CRP certification:

1. Is CRP for this product voluntary or required? (the 8570-1 application has the "no" box checked for CRP)
2. Testing information for the child-resistant effectiveness
 - a. Number of children tested
 - b. Number of children opening/accessing contents in full 10 minutes

3. Testing information for senior adult use effectiveness:

- a. Number of adults tested
- b. Number of adults unable to access package contents

Please feel free to let me know if you have any questions.

Thanks,
Lisa

Lisa Pahel
Environmental Protection Specialist
Fungicide and Herbicide Branch
Registration Division
Office of Pesticide Programs
703-347-0459



Walsh, Michael

From: Walsh, Michael
Sent: Tuesday, November 01, 2016 3:00 PM
To: Roe, Lindsay; Pahel, Lisa; Akinlosotu, Bonaventure
Subject: CRP Review Requested. 91234-EU.
Attachments: image2016-11-01-145952.pdf

Tracking:	Recipient	Read
	Roe, Lindsay	Read: 11/4/2016 8:40 AM
	Pahel, Lisa	
	Akinlosotu, Bonaventure	

Dear Lindsay, Lisa, and Bonaventure:

Attached please find new product application 91234-EU (formerly 92202-G). The registrant included the attached CRP certification form as part of their submission. In follow-up to my conversation earlier today with Lindsay, I am email the submission documents to you to determine if there are any issues with this product and CRP.

The PRIA Date for this action is December 12, 2016. With that in mind, it would be helpful if I had your review by 11/25/2016, if not earlier. Please address the review to my attention.

I realize resources are limited but, if possible, please alert me to any potential problems with the certification in a timely manner.

Please let me know if you need any additional information.

Thank you for your consideration, and assistance with this matter.

Mike
RD/IVB2/PM11

Child Resistant Packaging Certification

For Tigris Environmental Science, LLC's T103.01
(EPA Reg. No. 92022-)

Registrant: Tigris Environmental Science, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

Packaging Description:

21 fl. oz. – HDPE two neck tip-n-measure bottle purchased from Inmark, manufactured by CKS Packaging, with 28mm F.G. continuously threaded, push and turn open child resistant dual closures, manufactured by REXAM and purchased through Inmark, and with a Selig .035" Pukp TSM-1 heatseal.

75 fl. oz. – HDPE two neck tip-n-measure bottle purchased from Inmark, manufactured by CKS Packaging, with 38mm F.G. continuously threaded, push and turn open child resistant dual closures, manufactured by REXAM and purchased through Inmark, and with a Selig .035" Pukp TSM-1 heatseal.

I certify that the packaging that will be used for this product meets the standards of 40 CFR 157.32, including the revised standards in 16 CFR 1700.15(b), when tested by the revised testing procedures in 16 CFR 1700.20, as published in 60 FR 37710 (July 21, 1995).



Nicole O'Loughlin
Agent

July 20, 2016

Date

**Environmental Protection Agency**United States
Washington, DC 20460

- ☒ **Registration**
☐ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number 92022-	2. EPA Product Manager R. Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Tigris Environmental Science, LLC / T103.01	PM# 10	
5. Name and Address of Applicant (include ZIP Code) Tigris Environmental Science, LLC c/o Pyxis Regulatory Consulting Inc. 4110 136 th St. Ct. NW Gig Harbor, WA 98332	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 241-392 Product Name Phantom Termiticide-Insecticide	

Section - II

- ☐ Amendment – Explain below. ☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____ ☒ "Me Too" Application.
☐ Notification – Explain below. ☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

This application falls under Category R301 (45) as it is a new product substantially similar in composition and use to a registered product, only product chemistry data are being submitted and the selective method is being used to support product specific acute toxicity data requirements. The fee due is \$1,897.00 and the decision timeline is 4 months. A receipt of PRIA pre-payment from pay.gov is included with this application. Should you have any questions, please contact me at (email) Nicole@PyxisRC.com or (phone) 253-853-7369.

Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 21 fl. oz., 75 fl. oz.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Nicole O'Loughlin		Title Agent	
		Telephone No. (Include Area Code) (253) 853-7369	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Agent	
4. Typed Name Nicole O'Loughlin		5. Date Jul. 20, 2016	

Child Resistant Packaging Certification

For Tigris Environmental Science, LLC's T103.01
(EPA Reg. No. 92022-)

Registrant: Tigris Environmental Science, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

Packaging Description:

21 fl. oz. – HDPE two neck tip-n-measure bottle purchased from Inmark, manufactured by CKS Packaging, with 28mm F.G. continuously threaded, push and turn open child resistant dual closures, manufactured by REXAM and purchased through Inmark, and with a Selig .035" Pukp TSM-1 heatseal.

75 fl. oz. – HDPE two neck tip-n-measure bottle purchased from Inmark, manufactured by CKS Packaging, with 38mm F.G. continuously threaded, push and turn open child resistant dual closures, manufactured by REXAM and purchased through Inmark, and with a Selig .035" Pukp TSM-1 heatseal.

I certify that the packaging that will be used for this product meets the standards of 40 CFR 157.32, including the revised standards in 16 CFR 1700.15(b), when tested by the revised testing procedures in 16 CFR 1700.20, as published in 60 FR 37710 (July 21, 1995).



Nicole O'Loughlin
Agent

July 20, 2016

Date

July 20, 2016

MRID 499514-00

ELECTRONIC SUBMISSION

Richard Gebken (PM 10)
Document Processing Desk (**REGFEE**)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

RE: Tigris Environmental Science, LLC – T103.01 (EPA Reg. No. 92022-)
Application for New Pesticide Registration

Dear Mr. Gebken,

On behalf of Tigris Environmental Science, LLC please find the enclosed application for registration of T103.01, an end-use product containing chlorfenapyr as the active ingredient. In support of this application, we submit the following documents:

1. Application for Registration (EPA Form 8570-1)
2. Receipt of PRIA pre-payment from pay.gov
3. Confidential Statement of Formula (Basic Formulation dated June 16, 2016)
4. Formulators Exemption Statement (EPA Form 8570-27)
5. One (1) copy of the proposed labeling
6. Certification with Respect to Citation of Data (EPA Form 8570-34)
7. Agency Internal Use Copy of the Data Matrix (EPA Form 8570-35)
8. Public File Copy of the Data Matrix (EPA Form 8570-35)
9. CRP Certification
10. Letter of Authorization from Tigris Environmental Science, LLC
11. Product Specific Data:

MRID	Guideline	Report Title
49951401	830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800	O'Loughlin, N. Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Analytical Methods to Verify Certified Limits for T103.01.
49951402	830.6302, 830.6303, 830.6304, 830.6314, 830.6315, 830.7000, 830.7100, 830.7300	Theus, S. Final Report for: Physical and Chemical Characteristics of T103.01.
49951403	830.6313, 830.6316, 830.6317, 830.6319, 830.6320, 830.6321, 830.7050, 830.7200, 830.7220, 830.7370, 830.7520, 830.7550-830.7570, 830.7840-830.7860, 830.7950	O'Loughlin, N. Waiver Request for Certain Data Requirements for T103.01.

Tigris Environmental, LLC believes its product, T103.01, is substantially similar to a currently registered product (EPA Reg. No. 241-392) and this application falls under Category R301 (45) since T103.01 is a new product, substantially similar in composition and use to a registered product, only product chemistry data are being submitted to support the application for registration and the selective method is being used to support product specific acute toxicity data requirements. In addition, the technical source of active ingredient is based on a registered source of supply and therefore, T103.01 qualifies for Formulators Exemption for chlorfenapyr generic data requirements.

We trust you will find this application complete and in compliance with the requirements for registration under FIFRA. Please feel free to contact me (T) 253-853-7369 or (E) Nicole@PyxisRC.com if you have any questions or need any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Nicole O'Loughlin", written in a cursive style.

Nicole O'Loughlin

Enclosures

{BOOKLET FRONT PANEL LANGUAGE}

T103.01

Insecticide

Active Ingredient:	By Wt.
*Chlorfenapyr:	21.45%
Other Ingredients	78.55%
Total	100.00%

*4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile.
T103.01 contains 2.0 pounds of active ingredient per gallon

Contains chlorfenapyr, the active ingredient used in Phantom®.
T103.01 is not manufactured or distributed by BASF Corporation, seller of Phantom®.

KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for complete **First Aid, Precautionary Statements, Directions for Use, and Conditions of Sale and Warranty.**

Manufactured For:
Tigris Environmental Science, LLC
501 Cascade Pointe, Suite 102
Morrisville, NC 27513

EPA Reg. No.: 92022-XX
EPA Est. No.:

Net Contents:

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173 . For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300 .	

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. More options are available by following the instructions for **Category C** on an EPA chemical resistance category selection chart.

All pesticide handlers (mixers, loaders and applicators) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber or nitrile rubber, neoprene, or polyvinyl chloride (PVC), or viton ≤ 14 mils).
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash PPE before reusing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, birds and wildlife. **Do not** apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark. **Do not** contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do Not apply this product around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. Read entire label before using this product.

General Pest Control

General Information: T103.01 can be used inside residential structures (houses, apartments, etc.), meat, poultry & egg processing & packaging plants, the food/feed- and nonfood/feed-handling areas of food-handling establishments and commercial, institutional and warehousing establishments.

- Food-handling Establishments include places other than private residences where exposed food is held, processed, prepared or served. These include food service, manufacturing and processing establishments such as restaurants, cafeterias, supermarkets, mills, processing plants, bakeries, breweries, dairies, meat slaughtering and packing plants and canneries.
- Commercial, institutional and warehousing establishments include schools, groceries and supermarkets, restaurants and cafeterias, hotels and motels; hospitals and nursing homes, warehouses and industrial buildings, laboratories, zoos, pet shops, computer facilities, and sewers.

Use Precautions and Restrictions:

Precautions:

- Individuals without proper personal protective equipment should not be in immediate vicinity during application.
- Use only in well ventilated conditions.
- In hospitals and nursing homes, remove patients before treating rooms. Allow treated areas to dry before returning patients to treated rooms.
- Remove pets and cover or remove pet food/water and fish bowls prior to application
- In zoos, remove animals and cover or remove animal food/water prior to application.

Restrictions:

- **Do not** make general surface or space applications such as for pantry pests in cupboards, cabinets or in containers
- **Do not** contaminate food or food contact surfaces.
- **Do not** apply to heating and air conditioning vents or ducts.
- **Do not** contact treated areas until spray has dried.
- **Do not** apply to aircraft cabins.
- **Do not** allow for contact to treated areas until spray has dried. Allow treated surfaces to dry

- before placing items.
- **Do not** apply in patient rooms or classrooms while in use.
- **Do not** apply water-based sprays where electrical short circuits could occur.
- **Do not** make surface applications to mattresses. Mattress treatments must be confined to the seams, folds, and edges only. Remove linens and wash before reuse. Allow to dry before remaking bed.

Mixing Instructions: To mix 1 or 5 gallons of finished dilution of T103.01 at concentrations of 0.25% or 0.50%, follow the instructions below:

- For 1 gallon of finished dilution of T103.01 at 0.25% concentration*, add 1.5 fl oz (44 ml).
- For 5 gallons of finished dilution of T103.01 at 0.25% concentration*, add 7.5 fl oz (220 ml).
- For 1 gallon of finished dilution of T103.01 at 0.5% concentration*, add 3.0 fl oz (88 ml).
- For 5 gallons finished dilution of T103.01 at 0.5% concentration*, add 15.0 fl oz (440 ml).

*Percentage weight of active ingredient to weight of spray solution.

Mixing T103.01 Finished Dilution:

1. Fill hand-pressurized or power-operated application equipment with $\frac{1}{2}$ to $\frac{3}{4}$ of the required amount of water.
2. Measure the required amount of T103.01.
3. Add T103.01 to the sprayer and fill with the remainder of the water.
4. Close sprayer and agitate to insure proper suspension.
5. Re-agitate material in sprayer before continuing if application is interrupted.

Pests Controlled: Use T103.01 to control many nuisance pests, stored product pests and occasional pests that infest structures, including:

- a. Ants (acrobat, Argentine, carpenter, odorous house, pavement, pharaoh's, and pyramid).
- b. Beetles (Asian lady, confused flour, darkling larva [yellow mealworms], saw-toothed grain), bed bugs, box-elder bugs, cockroaches (American, Asian, brown-banded, German, Oriental, smoky brown), European earwigs, house crickets, house flies, paper wasps*, and silverfish (* T103.01 is not a knockdown agent).
- c. Non-insect pests such as bark scorpions, centipedes, pill-bugs and spiders (black widow and cellar).

Application Instructions: Apply T103.01 as a spot or crack/crevice treatment where pests are found or can infest (i.e. nesting sites, hiding places, runways or breeding areas). Apply to surfaces beneath cabinets, spaces between equipment or expansion joints, surfaces behind sinks, lockers, water pipes, cabinets, or other pest hiding areas. Where possible, apply T103.01 directly to ant nests or nesting sites, ant trails or ant-infested wood or structural voids. Foam applications of T103.01 may be made in voids.

Apply a 0.5% dilution of T103.01 as a coarse, low-pressure spray. Against a light infestation of ants, or other pests, use the 0.25% dilution of T103.01. Use a straw tip or pin tip nozzle for crack and crevice applications. **Do not** apply T103.01 at a concentration higher than 0.5%. **Do not** reapply more often than every four weeks.

Interior Applications in Non-Food-Handling Areas

Spot or crack/crevice applications of T103.01 may be made in non-food/feed areas such as garbage rooms, lavatories, floor drains (to sewers), entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage.

Interior Applications in Food-Handling Areas

Food-handling areas are areas where food and food products are held, processed, prepared or served. Application of T103.01 in food-handling areas of food-handling establishments is limited to spot or

crack/crevice treatments. The food-handling area may not be in operation during application. Exposed food must be covered or removed prior to application. After application, all food contact surfaces in the treated areas must be washed with an effective cleaning compound followed by a potable water rinse before resuming food operations. **Do not** apply directly to food, food packaging or food contact surfaces.

Limited Exterior Application to Structures

Exterior application of T103.01 is limited to spot and crack/crevice treatments where pests enter the structure such as around doors, windows, eaves, attic vents, and holes in exterior walls where utilities enter. Apply a maximum of 1.2 fl oz of dilution per 2 square feet.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container in secure dry storage area. **Do not** store below 32 degrees F. **Do not** store in direct sunlight or heat.

To Contain a Spill: In case of spills, avoid contact and isolate area. To confine spills, dike surrounding area or absorb with sand, cat litter, commercial clay, gel or similar absorbents.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

Nonrefillable Container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity \leq 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty to remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of TIGRIS ENVIRONMENTAL SCIENCE, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, TIGRIS ENVIRONMENTAL SCIENCE, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, neither TIGRIS ENVIRONMENTAL SCIENCE, LLC the manufacturer, nor the Seller shall be liable for any indirect,

special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

Raindrop is a registered trademark of Delavan Corporation.

Teejet is a registered trademark of Spraying Systems Co.

Phantom® is a registered trademark of BASF Corporation.

T103.01 is not manufactured or distributed by BASF Corporation, seller of Phantom®.

[EPA approval date]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

T103.01

Insecticide

Active Ingredient:	By Wt.
*Chlorfenapyr.....	21.45%
Other Ingredients.....	78.55%
Total.....	100.00%

4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile.

T103.01 contains 2.0 pounds of active ingredient per gallon

Contains chlorfenapyr, the active ingredient used in Phantom®. T103.01 it not manufactured or distributed by BASF Corporation, seller of Phantom®.

KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to by a poison control center or doctor.• Do not give anything to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible.• Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.• Call a poison control center or doctor for treatment advice.

HOT LINE NUMBERS

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Store in original container in secure dry storage area. Do not store below 32 degrees F. Do not store in direct sunlight or heat. To Contain a Spill: In case of spills, avoid contact and isolate area. To confide spills, dike surrounding area or absorb with sand, cat litter, commercial clay, gel or similar absorbents.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling: Nonrefillable Container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty to remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow beings to drip.

See label booklet for additional Precautionary Statements and Directions for Use.

Manufactured For:
Tigris Environmental Science, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

EPA Reg. No.: 92022-XX
EPA Est. No.:

Net Contents:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

FEE

~~DOCUMENT CONTAINS CONFIDENTIAL BUSINESS INFORMATION~~

DP BARCODE No.: D436537 FILE SYMBOL No.: 91234-EU; PRODUCT NAME: T103.01; DECISION No.: 519784; PC Code(s): 129093; ACTION CODE: R301; FOOD Use: Yes; COMPANY NAME: ATTICUS, LLC

DATE OUT: November 3, 2016

SUBJECT: End Use Product Chemistry Review
Product Name: T103.01

FROM: Shyam Mathur, Ph.D
Chemistry Team Leader
CITAB/RD (7505P)

S. Mathur
11.3.16
SCN

TO: Michael Walsh, RM 11
I-V Branch 2 / RD (7505P)

INTRODUCTION:

The registrant has submitted an application for the registration of the new end use product T103.01. The registrant has submitted a CSF for basic formulation (dated June 16, 2016) and the product label. The registrant has claimed that the proposed product is substantially similar to the registered product with Reg. No. 241-392. The registrant has submitted group A and group B product chemistry data with MRID Nos. 49951401 to 49951403 to support the proposed basic CSF. It should be noted that there was transfer of company from Tigris Environmental Science, LLC (92022-) to Atticus, LLC (91234-) as per agreement letter dated August 22, 2016. As a result originally this product was with FSN: 92022-G and after transfer it became FSN: 91234-EU. CITAB has been asked to determine the acceptability of the proposed basic CSF and the supporting product chemistry data and also determine similarity to the cited product.

SUMMARY OF FINDINGS:

1. Name of Active Ingredient(s): Chlorfenapyr (21.45%).
2. Has the registrant claimed substantial similarity to a registered product?
☒ Yes; ☐ No; ☐ NA; if yes, give the registration number of the cited product: Reg. No. 241-392
3. All of the source materials of the active ingredient are derived from registered sources: ☒ Yes ☐ No
4. All inert ingredients have been screened by IAB and found to be approved for the proposed labeled Uses: ☒ Yes; ☐ No.

DP BARCODE No.: D436537 **FILE SYMBOL No.:** 91234-EU; **PRODUCT NAME:** T103.01; **DECISION No.:** 519784; **PC Code(s):** 129093; **ACTION CODE:** R301; **FOOD Use:** Yes; **COMPANY NAME:** ATTICUS, LLC

5. Confidential Statement of Formula(s):

☒ Basic - Dated: 06-16-2016; Resubmitted - Dated:

☐ Alternate CSF- Dated: ; Re-submitted - Dated:

Alternate CSF(s) complies with 40CFR§152.43: ☐ Yes; ☐ No; ☒ NA

6. Product label

a. Ingredient statement: Nominal concentration of AI listed on CSF(s) concurs with product label (PR Notice 91-2).

☒ Yes; ☐ No; if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs other ingredient)

☒ Yes; ☐ No; if not, explain below:

Metallic equivalent: ☐ Yes ☒ NA

Soluble arsenic: ☐ Yes ☒ NA

Isomeric ratios: ☐ Yes ☒ NA

Acid Equivalent: ☐ Yes ☒ NA;

b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: ☐ Yes ☐ No ☒ NA

Methanol at > 4%: ☐ Yes ☐ No ☒ NA

Sodium nitrate/Sodium Nitrite ☐ Yes ☐ No ☒ NA

c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 for flammability, explosive potential or electric insulator breakdown?

☐ Yes; ☒ No

Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?

☐ Yes; ☐ No; ☒ NA; if not, explain below

d. Label requires an additional Storage and Disposal statement:

☐ Yes; ☒ No; if yes explain below:

DP BARCODE No.: D436537 FILE SYMBOL No.: 91234-EU; PRODUCT NAME: T103.01; DECISION No.: 519784; PC Code(s): 129093; ACTION CODE: R301; FOOD Use: Yes; COMPANY NAME: ATTICUS, LLC

7. Group A: Product Chemistry Data submitted

CITAB's determination of the acceptability for the proposed product is listed in the tables below.

Guideline No.	Study Title		Data submitted		CITAB's Assessment of Data	MRID Nos.
			Yes	No		
830.1550	Product Identity & Composition		X		A	49951401
830.1600	Description of materials used to produce the product		X		A	49951401
830.1650	Description of formulation process		X		A	49951401
830.1670	Discussion on the formation of impurities		X		A	49951401
830.1700	Preliminary analysis				NA	
830.1750	Certified limits (158.350)	Standard certified limits	X		A	Basic CSF dated 06-16-2016
		Proposed Limits				
		Justification for wider limits				
830.1800	Enforcement analytical method		X		N	49951401

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver Request, I = In Progress, NA = Not Applicable; U = Upgradeable.

DP BARCODE No.: D436537 FILE SYMBOL No.: 91234-EU; PRODUCT NAME: T103.01; DECISION No.: 519784; PC Code(s): 129093; ACTION CODE: R301; FOOD Use: Yes; COMPANY NAME: ATTICUS, LLC

8. Group B: Physical-Chemical characteristics

Guideline No.	Study Title	Value or Qualitative Description	CITAB's Assessment of Data	MRID Nos.
830.6303	Physical State	Liquid	A	49951402
830.6314	Oxidation/Reduction	Compatible with water, 5% ammonium phosphate, Fe powder, and Aromatic 200 ND Fluid. In compatible with 5% KMnO ₄ .	A	49951402
830.6315	Flammability	>230°F	A	49951402
830.6316	Explodability	Waiver request. The product does not have explosive characteristics.	A	49951403
830.6317	Storage stability	Study under progress*	I	49951403
830.6320	Corrosion characteristics	Study under progress*	I	49951403
830.7000	pH	4.72 (1% dispersion) @ 25°C	A	49951402
830.7300	Density	1.10 g/ml (9.18 lbs/gal) @ 25°C	A	49951402
830.7100	Viscosity	1654 cps/25°C/20 spd [§] 1546 cps/39°C/20 spd [§] (see table below)	A	49951402

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request, NA = Not applicable, I = In progress; U = Upgradeable.

*The registrant has option to conduct accelerated storage stability & accelerated corrosion characteristics studies (54°C for two weeks). The results must be submitted to the Agency for evaluation.

§ spd = speed; see more details on 830.7100 in the table on next page.

DP BARCODE No.: D436537 FILE SYMBOL No.: 91234-EU; PRODUCT NAME: T103.01; DECISION No.: 519784; PC Code(s): 129093; ACTION CODE: R301; FOOD Use: Yes; COMPANY NAME: ATTICUS, LLC

830.7100: Viscosity Table

Table 1. Viscosity of T103.01

Speed	Viscosity, 25 °C	Viscosity, 39 °C
0.5	42640 centipoise	39440 centipoise
1	22240 centipoise	20880 centipoise
2.5	9664 centipoise	9216 centipoise
5	5320 centipoise	5072 centipoise
10	2940 centipoise	2816 centipoise
20	1654 centipoise	1546 centipoise
50		727 centipoise
100		

DP BARCODE No.: D436537 FILE SYMBOL No.: 91234-EU; PRODUCT NAME: T103.01; DECISION No.: 519784; PC Code(s): 129093; ACTION CODE: R301; FOOD Use: Yes; COMPANY NAME: ATTICUS, LLC

CONCLUSIONS:

CITAB has reviewed the product chemistry data submitted for the end-use product and has concluded that:

A. Substantial similarity to the cited product (Reg. No. 241-392) from Product chemistry view point

- ☒ Similar
☐ Not similar, give reasons:
☐ Identical
☐ Not identical
☐ Not applicable

B. Confidential Statement of formula

1. Basic CSF (dated 06-16-2016)

- ☒ Acceptable
☐ Not Acceptable
☐ Not Applicable

Note to PM: The registrant must revise the proposed basic CSF to reflect change in the company.

2. Alternate CSF

- ☐ Acceptable
☐ Not Acceptable:
☒ Not Applicable

C. Group A Product Chemistry Data

- ☐ Acceptable
☒ Acceptable with the exception of the guideline 830.1800 (enforcement analytical method) 830.1800 (EAM): The registrant has not submitted method validation. The registrant must submit enforcement analytical which has been validated including precision, linearity & accuracy.
☐ Not acceptable:
☐ Not required
☐ Data cited

D. Group B Product chemistry data

- ☐ Acceptable
☐ Not acceptable:
☒ Acceptable with the exception of the guidelines 830.6317 (storage stability) and 830.6320 (corrosion characteristics). These two studies are in progress. The results of the studies must be submitted for evaluation.
☐ Not required
☐ Data cited

DP BARCODE No.: D436537 FILE SYMBOL No.: 91234-EU; PRODUCT NAME: T103.01; DECISION
No.: 519784; PC Code(s): 129093; ACTION CODE: R301; FOOD Use: Yes; COMPANY NAME:
ATTICUS, LLC

E. Product Label/Draft Label

Recommendations – Yes ☒; No ☐

Note to PM: Since the product was found to be incompatible with oxidizing agents, the registrant is recommended to add the following statement under Physical-Chemical Hazards on the product label:

"Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur"



U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Information Network

Results
1 Items Found

ERROR REPORTING
Report Data Errors

DETAILS

- Summary
- Data Requirements
- Company Address
- Company History
- Registrations, Petitions, DCIs
- Studies Submitted

[Back to Query](#)

SUMMARY REPORTS

- Company
- Laboratory

OPTIONS

- Help
- Logout

Company No
▶ 1) 91234

⏪ ⏩ ⏴ ⏵

Summary Information For Company 91234, ATTICUS, LLC.

Company No: 91234
Company Name: ATTICUS, LLC.
Division Name:
Office Name:
Branch Name:
Agent Name: PYXIS REGULATORY CONSULTING, INC.
Agent Contact: MS. NICOLE O'LOUGHLIN
Agent Phone: (253) 853-7369[®]
Official Address: 4110 136TH STREET CT NW
GIG HARBOR,
Washington 983329122
UNITED STATES
Date of Current Update: 17-Oct-2016
Reason for Current Update: Letter from Company

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Last updated on September 12, 2014, Version 1:
<https://w2032pcctr562.aa.ad.epa.gov/pls/prism10>

*THE PRODUCT
HAS CHANGED
OWNERSHIP, BUT
PYXIS IS STILL
THE AGENT.
MWA/BA
11/1/16*

9.234-EU

Walsh, Michael

From: Walsh, Michael
Sent: Tuesday, November 01, 2016 3:00 PM
To: Roe, Lindsay; Pahel, Lisa; Akinlosotu, Bonaventure
Subject: CRP Review Requested. 91234-EU.
Attachments: image2016-11-01-145952.pdf

Dear Lindsay, Lisa, and Bonaventure:

Attached please find new product application 91234-EU (formerly 92202-G). The registrant included the attached CRP certification form as part of their submission. In follow-up to my conversation earlier today with Lindsay, I am email the submission documents to you to determine if there are any issues with this product and CRP.

The PRIA Date for this action is December 12, 2016. With that in mind, it would be helpful if I had your review by 11/25/2016, if not earlier. Please address the review to my attention.

I realize resources are limited but, if possible, please alert me to any potential problems with the certification in a timely manner.

Please let me know if you need any additional information.

Thank you for your consideration, and assistance with this matter.

Mike
RD/IVB2/PM11

 Environmental Protection Agency United States Washington, DC 20460	<input checked="" type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide – Section I

1. Company/Product Number 92022-	2. EPA Product Manager R. Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Tigris Environmental Science, LLC / T103.01	PM# 10	
5. Name and Address of Applicant (Include ZIP Code) Tigris Environmental Science, LLC c/o Pyxis Regulatory Consulting Inc. 4110 136 th St. Ct. NW Gig Harbor, WA 98332	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 241-392 Product Name Phantom Termiticide-Insecticide	

Section - II

- ☐ Amendment – Explain below. ☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____ ☒ "Me Too" Application.
☐ Notification – Explain below. ☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

This application falls under Category R301 (45) as it is a new product substantially similar in composition and use to a registered product, only product chemistry data are being submitted and the selective method is being used to support product specific acute toxicity data requirements. The fee due is \$1,897.00 and the decision timeline is 4 months. A receipt of PRIA pre-payment from pay.gov is included with this application. Should you have any questions, please contact me at (email) Nicole@PyxisRC.com or (phone) 253-853-7369.

Section - III**1. Material This Product Will Be Packaged In:**

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
	If "Yes" Unit Packaging wgt. _____ No. per container _____	If "Yes" Package wgt. _____ No. per container _____	


3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 21 fl. oz., 75 fl. oz.	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner In Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____

Section - IV**1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)**

Name Nicole O'Loughlin	Title Agent	Telephone No. (Include Area Code) (253) 853-7369
---------------------------	----------------	---

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature 	3. Title Agent	6. Date Application Received (Stamped)
4. Typed Name Nicole O'Loughlin	5. Date Jul. 20, 2016	

Child Resistant Packaging Certification

For Tigris Environmental Science, LLC's T103.01
(EPA Reg. No. 92022-)

Registrant: Tigris Environmental Science, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

Packaging Description:

21 fl. oz. – HDPE two neck tip-n-measure bottle purchased from Inmark, manufactured by CKS Packaging, with 28mm F.G. continuously threaded, push and turn open child resistant dual closures, manufactured by REXAM and purchased through Inmark, and with a Selig .035" Pukp TSM-1 heatseal.

75 fl. oz. – HDPE two neck tip-n-measure bottle purchased from Inmark, manufactured by CKS Packaging, with 38mm F.G. continuously threaded, push and turn open child resistant dual closures, manufactured by REXAM and purchased through Inmark, and with a Selig .035" Pukp TSM-1 heatseal.

I certify that the packaging that will be used for this product meets the standards of 40 CFR 157.32, including the revised standards in 16 CFR 1700.15(b), when tested by the revised testing procedures in 16 CFR 1700.20, as published in 60 FR 37710 (July 21, 1995).



Nicole O'Loughlin
Agent

July 20, 2016

Date

PYXIS REGULATORY CONSULTING, INC.

4110 136th St. Ct. NW
Gig Harbor, WA 98332

Phone: 253-853-7369
Fax: 253-853-5516
Email: Nicole@PyxisRC.com

July 20, 2016

MRID 499514-00

ELECTRONIC SUBMISSION

Richard Gebken (PM 10)
Document Processing Desk (**REGFEE**)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

RE: Tigris Environmental Science, LLC – T103.01 (EPA Reg. No. 92022-)
Application for New Pesticide Registration

Dear Mr. Gebken,

On behalf of Tigris Environmental Science, LLC please find the enclosed application for registration of T103.01, an end-use product containing chlorfenapyr as the active ingredient. In support of this application, we submit the following documents:

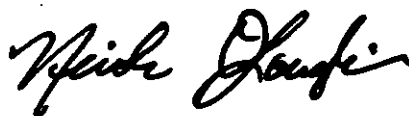
1. Application for Registration (EPA Form 8570-1)
2. Receipt of PRIA pre-payment from pay.gov
3. Confidential Statement of Formula (Basic Formulation dated June 16, 2016)
4. Formulators Exemption Statement (EPA Form 8570-27)
5. One (1) copy of the proposed labeling
6. Certification with Respect to Citation of Data (EPA Form 8570-34)
7. Agency Internal Use Copy of the Data Matrix (EPA Form 8570-35)
8. Public File Copy of the Data Matrix (EPA Form 8570-35)
9. CRP Certification
10. Letter of Authorization from Tigris Environmental Science, LLC
11. Product Specific Data:

MRID	Guideline	Report Title
49951401	830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800	O'Loughlin, N. Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Analytical Methods to Verify Certified Limits for T103.01.
49951402	830.6302, 830.6303, 830.6304, 830.6314, 830.6315, 830.7000, 830.7100, 830.7300	Theus, S. Final Report for: Physical and Chemical Characteristics of T103.01.
49951403	830.6313, 830.6316, 830.6317, 830.6319, 830.6320, 830.6321, 830.7050, 30.7200, 830.7220, 830.7370, 830.7520, 830.7550- 830.7570, 830.7840-830.7860, 830.7950	O'Loughlin, N. Waiver Request for Certain Data Requirements for T103.01.

Tigris Environmental, LLC believes its product, T103.01, is substantially similar to a currently registered product (EPA Reg. No. 241-392) and this application falls under Category R301 (45) since T103.01 is a new product, substantially similar in composition and use to a registered product, only product chemistry data are being submitted to support the application for registration and the selective method is being used to support product specific acute toxicity data requirements. In addition, the technical source of active ingredient is based on a registered source of supply and therefore, T103.01 qualifies for Formulators Exemption for chlorfenapyr generic data requirements.

We trust you will find this application complete and in compliance with the requirements for registration under FIFRA. Please feel free to contact me (T) 253-853-7369 or (E) Nicole@PyxisRC.com if you have any questions or need any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Nicole O'Loughlin", written in a cursive style.

Nicole O'Loughlin

Enclosures

APPENDIX A

MRID or other Identifying Administrative Number	Name of the Study	Name of Person or Lab that Conducted the Study	Date the Study was Submitted to EPA	Is Exclusive Use Claimed? (Y or N)	If Yes then, Date Period of Exclusive Use Ends
49951401	Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Analytical Methods to Verify Certified Limits for T103.01. Project Number: TIG/201603. Unpublished study prepared by Tigris Environmental Science, LLC. 84p.	Tigris Environmental Science, LLC	07/20/2016	N	
49951402	Final Report for: Physical and Chemical Characteristics of T103.01. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 26p.	Analytical & Regulatory Chemistry, Inc.	07/20/2016	N	
49951403	Waiver Request for Certain Data Requirements for T103.01. Project Number: TIG/201604. Unpublished study prepared by Tigris Environmental Science, LLC. 7p.	Tigris Environmental Science, LLC	07/20/2016	N	
49960201	Product Identity and Composition, Description of the Materials Used, Description of the Formulation Process, Discussion of the Formation of Impurities, Certified Limits, and Analytical Methods to Verify Certified Limits for T103.03. Project Number: TIG/201605. Unpublished study prepared by Tigris Environmental Science, LLC. 86p.	Tigris Environmental Science, LLC	07/12/2016	N	
49960202	Product Chemistry Physical and Chemical Characteristics. Project Number: ECS355/ECS/35/160, ECS/35/160. Unpublished study prepared by EcoSafe Natural Products, Inc. 8p.	EcoSafe Natural Products Inc.	07/12/2016	N	
49960203	Waiver Request for Certain Data Requirements for T103.03. Project Number: TIG/201606. Unpublished study prepared by Tigris Environmental Science, LLC. 7p.	Tigris Environmental Science, LLC	07/12/2016	N	

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01-15-0



January 4, 2016

To Whom It May Concern:

RE: Letter of Authorization

Dear Sir or Madam:

Please let this letter serve to confirm that Janelle Kay, Mike Kellogg, Ann Tillman, Leanne Pruett, Maryanne Geisbush, Nicole O'Loughlin, and Nicki Purnell of Pyxis Regulatory Consulting, Inc. are authorized to act as agent for Tigris Environmental Science, LLC (EPA Company Number 92022), before the U.S. Environmental Protection Agency and state governmental agencies in all matters regarding our pesticide registrations pursuant to the Federal Insecticide, Fungicide and Rodenticide Act ("FIFRA"), 7 U.S.C. § 136 et seq. and state law.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brooke Hedrick".

Brooke Hedrick
Regulatory Manager & Project Management
Tigris Environmental Science, LLC

cc: Pyxis Regulatory Consulting, Inc.



United States
Environmental Protection Agency
 Washington, DC 20460
Formulator's Exemption Statement
 (40 CFR 152.85)

Applicant's Name and Address Tigris Environmental Science, LLC 501 Cascade Pointe Lane, Suite 102 Cary, NC 27513	EPA File Symbol/Registration Number 92022-
	Product Name T103.01
	Date of Confidential Statement of Formula (EPA Form 8570-4) Jun. 16, 2016

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Chlorfenapyr

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) of (3).

(3) Indicated by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient	Product Name	Registration Number
Chlorfenapyr	[REDACTED]	[REDACTED]
Signature 	Name and Title Nicole O'Loughlin Agent	Date Jul. 08, 2016

{BOOKLET FRONT PANEL LANGUAGE}

T103.01

Insecticide

Active Ingredient:	By Wt.
*Chlorfenapyr:	21.45%
Other Ingredients	78.55%
Total	100.00%

*4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile.
T103.01 contains 2.0 pounds of active ingredient per gallon

Contains chlorfenapyr, the active ingredient used in Phantom®.
T103.01 is not manufactured or distributed by BASF Corporation, seller of Phantom®.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for complete **First Aid, Precautionary Statements, Directions for Use, and Conditions of Sale and Warranty.**

Manufactured For:
Tigris Environmental Science, LLC
501 Cascade Pointe, Suite 102
Morrisville, NC 27513

**EPA Reg. No.: 92022-XX
EPA Est. No.:**

Net Contents:

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBERS Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall: 1-844-685-9173 . For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300 .	

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS **Hazards to Humans and Domestic Animals** **CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. More options are available by following the instructions for **Category C** on an EPA chemical resistance category selection chart.

All pesticide handlers (mixers, loaders and applicators) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber or nitrile rubber, neoprene, or polyvinyl chloride (PVC), or viton ≤ 14 mils).
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash PPE before reusing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, birds and wildlife. **Do not** apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark. **Do not** contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do Not apply this product around electrical equipment due to the possibility of shock hazard.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. Read entire label before using this product.

General Pest Control

General Information: T103.01 can be used inside residential structures (houses, apartments, etc.), meat, poultry & egg processing & packaging plants, the food/feed- and nonfood/feed-handling areas of food-handling establishments and commercial, institutional and warehousing establishments.

- Food-handling Establishments include places other than private residences where exposed food is held, processed, prepared or served. These include food service, manufacturing and processing establishments such as restaurants, cafeterias, supermarkets, mills, processing plants, bakeries, breweries, dairies, meat slaughtering and packing plants and canneries.
- Commercial, institutional and warehousing establishments include schools, groceries and supermarkets, restaurants and cafeterias, hotels and motels; hospitals and nursing homes, warehouses and industrial buildings, laboratories, zoos, pet shops, computer facilities, and sewers.

Use Precautions and Restrictions:

Precautions:

- Individuals without proper personal protective equipment should not be in immediate vicinity during application.
- Use only in well ventilated conditions.
- In hospitals and nursing homes, remove patients before treating rooms. Allow treated areas to dry before returning patients to treated rooms.
- Remove pets and cover or remove pet food/water and fish bowls prior to application
- In zoos, remove animals and cover or remove animal food/water prior to application.

Restrictions:

- **Do not** make general surface or space applications such as for pantry pests in cupboards, cabinets or in containers
- **Do not** contaminate food or food contact surfaces.
- **Do not** apply to heating and air conditioning vents or ducts.
- **Do not** contact treated areas until spray has dried.
- **Do not** apply to aircraft cabins.
- **Do not** allow for contact to treated areas until spray has dried. Allow treated surfaces to dry.

before placing items.

- **Do not** apply in patient rooms or classrooms while in use.
- **Do not** apply water-based sprays where electrical short circuits could occur.
- **Do not** make surface applications to mattresses. Mattress treatments must be confined to the seams, folds, and edges only. Remove linens and wash before reuse. Allow to dry before remaking bed.

Mixing Instructions: To mix 1 or 5 gallons of finished dilution of T103.01 at concentrations of 0.25% or 0.50%, follow the instructions below:

- For 1 gallon of finished dilution of T103.01 at 0.25% concentration*, add 1.5 fl oz (44 ml).
- For 5 gallons of finished dilution of T103.01 at 0.25% concentration*, add 7.5 fl oz (220 ml).
- For 1 gallon of finished dilution of T103.01 at 0.5% concentration*, add 3.0 fl oz (88 ml).
- For 5 gallons finished dilution of T103.01 at 0.5% concentration*, add 15.0 fl oz (440 ml).

*Percentage weight of active ingredient to weight of spray solution.

Mixing T103.01 Finished Dilution:

1. Fill hand-pressurized or power-operated application equipment with $\frac{1}{2}$ to $\frac{3}{4}$ of the required amount of water.
2. Measure the required amount of T103.01.
3. Add T103.01 to the sprayer and fill with the remainder of the water.
4. Close sprayer and agitate to insure proper suspension.
5. Re-agitate material in sprayer before continuing if application is interrupted.

Pests Controlled: Use T103.01 to control many nuisance pests, stored product pests and occasional pests that infest structures, including:

- a. Ants (acrobat, Argentine, carpenter, odorous house, pavement, pharaoh's, and pyramid).
- b. Beetles (Asian lady, confused flour, darkling larva [yellow mealworms], saw-toothed grain), bed bugs, box-elder bugs, cockroaches (American, Asian, brown-banded, German, Oriental, smoky brown), European earwigs, house crickets, house flies, paper wasps*, and silverfish (* T103.01 is not a knockdown agent).
- c. Non-insect pests such as bark scorpions, centipedes, pill-bugs and spiders (black widow and cellar).

Application Instructions: Apply T103.01 as a spot or crack/crevice treatment where pests are found or can infest (i.e., nesting sites, hiding places, runways or breeding areas). Apply to surfaces beneath cabinets, spaces between equipment or expansion joints, surfaces behind sinks, lockers, water pipes, cabinets, or other pest hiding areas. Where possible, apply T103.01 directly to ant nests or nesting sites, ant trails or ant-infested wood or structural voids. Foam applications of T103.01 may be made in voids.

Apply a 0.5% dilution of T103.01 as a coarse, low-pressure spray. Against a light infestation of ants, or other pests, use the 0.25% dilution of T103.01. Use a straw tip or pin tip nozzle for crack and crevice applications. **Do not** apply T103.01 at a concentration higher than 0.5%. **Do not** reapply more often than every four weeks.

Interior Applications in Non-Food-Handling Areas

Spot or crack/crevice applications of T103.01 may be made in non-food/feed areas such as garbage rooms, lavatories, floor drains (to sewers), entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage.

Interior Applications in Food-Handling Areas

Food-handling areas are areas where food and food products are held, processed, prepared or served. Application of T103.01 in food-handling areas of food-handling establishments is limited to spot or

crack/crevice treatments. The food-handling area may not be in operation during application. Exposed food must be covered or removed prior to application. After application, all food contact surfaces in the treated areas must be washed with an effective cleaning compound followed by a potable water rinse before resuming food operations. **Do not** apply directly to food, food packaging or food contact surfaces.

Limited Exterior Application to Structures

Exterior application of T103.01 is limited to spot and crack/crevice treatments where pests enter the structure such as around doors, windows, eaves, attic vents, and holes in exterior walls where utilities enter. Apply a maximum of 1.2 fl oz of dilution per 2 square feet.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container in secure dry storage area. **Do not** store below 32 degrees F. **Do not** store in direct sunlight or heat.

To Contain a Spill: In case of spills, avoid contact and isolate area. To confine spills, dike surrounding area or absorb with sand, cat litter, commercial clay, gel or similar absorbents.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

Nonrefillable Container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity \leq 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of TIGRIS ENVIRONMENTAL SCIENCE, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, TIGRIS ENVIRONMENTAL SCIENCE, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, neither TIGRIS ENVIRONMENTAL SCIENCE, LLC the manufacturer, nor the Seller shall be liable for any indirect,

special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

Raindrop is a registered trademark of Delavan Corporation.

Teejet is a registered trademark of Spraying Systems Co.

Phantom® is a registered trademark of BASF Corporation.

T103.01 is not manufactured or distributed by BASF Corporation, seller of Phantom®.

[EPA approval date]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

T103.01

Insecticide

Active Ingredient:	By Wt.
*Chlorfenapyr:	21.45%
Other Ingredients:	78.55%
Total:	100.00%

*4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile.

T103.01 contains 2.0 pounds of active ingredient per gallon

Contains chlorfenapyr, the active ingredient used in Phantom®. T103.01 it not manufactured or distributed by BASF Corporation, seller of Phantom®.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.

HOT LINE NUMBERS

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**PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Storage and Disposal

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Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty to remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

See label booklet for additional Precautionary Statements and Directions for Use.

Manufactured For:
Tigris Environmental Science, LLC
501 Cascade Pointe Lane, Suite 102
Cary, NC 27513

EPA Reg. No.: 92022-XX
EPA Est. No.:

Net Contents:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Tigris Environmental Science, LLC c/o Pyxis Regulatory Consulting, Inc.; 4110 136 th St Ct NW, Gig Harbor, WA 98332, (253) 853-7369	EPA Registration Number/File Symbol/ 92022-
Active Ingredient(s) and/or representative test compound(s) Chlorfenapyr	Date Jul. 08, 2016
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Food/Nonfood	Product Name T103.01

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statements (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have including with this form a list of companies send offer of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

<input type="checkbox"/> I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	<input checked="" type="checkbox"/> I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).
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SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (II) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date Jul. 08, 2016	Typed or Printed Name and Title Nicole O'Loughlin Agent
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DATA MATRIX

Date July 8, 2016	EPA Reg. No./File Symbol 92022-XX	Page 1 of 7
Applicant's / Registrant's Name & Address Tigris Environmental Science, LLC 501 Cascade Point Lane, Suite 102 Cary, NC 27513		Product T103.01

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	49951401	Tigris Environmental Science, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	49951401	Tigris Environmental Science, LLC	OWN	
830.1620	Description of Production Process				Not required ¹
830.1650	Description of Formulation Process	49951401	Tigris Environmental Science, LLC	OWN	
830.1670	Discussion of Formation of Impurities	49951401	Tigris Environmental Science, LLC	OWN	
830.1700	Preliminary Analysis				Not required ²
830.1750	Certified Limits	49951401	Tigris Environmental Science, LLC	OWN	
830.1800	Enforcement Analytical Method	49951401	Tigris Environmental Science, LLC	OWN	
830.6302	Color	49951402	Tigris Environmental Science, LLC	OWN	

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6303	Physical State	49951402	Tigris Environmental Science, LLC	OWN	
830.6304	Odor	49951402	Tigris Environmental Science, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.6314	Oxidation/Reduction: Chemical Incompatibility	49951402	Tigris Environmental Science, LLC	OWN	
830.6315	Flammability	49951402	Tigris Environmental Science, LLC	OWN	
830.6316	Explosibility	49951403	Tigris Environmental Science, LLC	OWN	Not required ⁴
830.6317	Storage Stability	49951403	Tigris Environmental Science, LLC	OWN	PRN 92-5 ⁵
830.6319	Miscibility	49951403	Tigris Environmental Science, LLC	OWN	Not required ⁶


Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics	49951403	Tigris Environmental Science, LLC	OWN	See endnote ⁵
830.6321	Dielectric Breakdown Voltage	49951403	Tigris Environmental Science, LLC	OWN	Not required ⁷
830.7000	pH	49951402	Tigris Environmental Science, LLC	OWN	
830.7050	UV/Visible Absorption	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.7100	Viscosity	49951402	Tigris Environmental Science, LLC	OWN	
830.7200	Melting Point/Melting Range	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.7220	Boiling Point/Boiling Range	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.7300	Density/Relative Density/Bulk Density	49951402	Tigris Environmental Science, LLC	OWN	
830.7370	Dissociation Constants in Water	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
Signature 			Name and Title Nicole O'Loughlin, Consultant		Date July 8, 2016

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Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7520	Particle size, fiber length, diameter distribution	49951403	Tigris Environmental Science, LLC	OWN	Not required ⁶
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method	49951403	Tigris Environmental Science, LLC	OWN	See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography	49951403	Tigris Environmental Science, LLC	OWN	See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.7860	Water Solubility, Generator Column Method	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
830.7950	Vapor Pressure	49951403	Tigris Environmental Science, LLC	OWN	Not required ³
870.1100 (81-1)	Acute Oral Toxicity: Rat	43268204		OLD	
870.1200 (81-2)	Acute Dermal Toxicity: Rat	43268205		OLD	
870.1300 (81-3)	Acute Inhalation Toxicity: Rat	44763501		OLD	
Signature 			Name and Title Nicole O'Loughlin, Consultant		Date July 8, 2016

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DATA MATRIX

Date July 8, 2016	EPA Reg. No./File Symbol 92022-XX	Page 5 of 7
Applicant's / Registrant's Name & Address Tigris Environmental Science, LLC 501 Cascade Point Lane, Suite 102 Cary, NC 27513	Product T103.01	

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400 (81-4)	Primary Eye Irritation: Rabbit	43268206		OLD	
870.2500 (81-5)	Primary Dermal Irritation	43268207		OLD	
870.2600 (81-6)	Dermal Sensitization	42770218		OLD	
810.3500	Efficacy – Premise Treatments	Cite-all		PAY	
810.3600	Efficacy – Structural Treatments	Cite-all		PAY	
Chlorfenapyr Product Specific Data Requirements					
Tigris Environmental Science, LLC is using the cite-all option under the selective method to satisfy efficacy data requirements. Tigris Environmental Science, LLC has made offers-to-pay to the following companies on the April 1, 2016 Data Submitters list for Chlorfenapyr.					
			The Scotts Company	PAY	
			BASF Corporation	PAY	
			BASF Corporation	PAY	
			BASF Corporation Agricultural Products	PAY	

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Adama Agan Ltd.	PAY	
			Janssen PMP	PAY	
			Spray Drift Task Force	PER	
			Ecto Development Corporation	PAY	
			Outdoor Residential Exposure Task Force	PER	
			Agricultural Reentry Task Force	PER	
			FIFRA Endangered Species Task Force, LLC	PAY	
			Agricultural Handler Exposure Task Force	PER	
			Argite, LLC	PER	
Chlorfenapyr Generic Data Requirements					
T103.01 qualifies for Formulator's Exemption for chlorfenapyr generic data requirements.					

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Endnotes for Data Matrix for T103.01

-
- ¹ **830.1620** - Per OPPTS 830.1000, these data are not required for the registration of an end-use product. See 830.1650 for formulation process information.
- ² **830.1700** - This product does not consist solely of the technical grade active ingredient (TGAi) and is not produced by an integrated system, therefore, per OPPTS 830.1700, these data are not required.
- ³ **830.6313, 830.7050, 830.7200, 830.7220, 830.7370, 830.7550, 830.7560, 830.7570, 830.7840, 830.7860 and 830.7950** - Per OPPTS 830.1000, these data are not required for the registration of an end-use product.
- ⁴ **830.6316** - This product does not have explosive characteristics; therefore these data are not required. Please refer to the Confidential Statement of Formula for additional information on the composition of T103.01.
- ⁵ **830.6317, 830.6320 - Storage Stability and Corrosion Characteristics:** Tigris Environmental Science, LLC is currently conducting storage stability and corrosion characteristic studies to satisfy guidelines 830.6317 and 830.6320, respectively. Per PR Notice 92-5, storage stability data are not required to be submitted unless specifically requested by the Agency. OPPTS 830.6317 and 830.6320 guidelines allow the corrosion characteristics study and storage stability study to be conducted simultaneously. Tigris Environmental Science, LLC will submit these data upon completion. Tigris Environmental Science, LLC requests that a conditional registration for T103.01 be granted on the submission of these data.
- ⁶ **830.6319** - T103.01 is a soluble liquid and not an emulsifiable concentrate. In addition, the proposed labeling recommends dilution with water, not oil; therefore, these data are not required.
- ⁷ **830.6321** - This product is not proposed for use around electrical equipment. Therefore, these data are not applicable nor are these data required.
- ⁸ **830.7520** - These data are not required for T103.01 because it is not water insoluble and is not a fibrous material.

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Applicant's / Registrant's Name & Address Tigris Environmental Science, LLC 501 Cascade Point Lane, Suite 102 Cary, NC 27513	Product T103.01	

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	
					Not required ¹
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	
					Not required ²
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Ingredient Chlorfenapyr (CAS No. 122453-73-0)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	Not required ⁴
			Tigris Environmental Science, LLC	OWN	PRN 92-5 ⁵
			Tigris Environmental Science, LLC	OWN	Not required ⁶

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Ingredient **Chlorfenapyr (CAS No. 122453-73-0)**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tigris Environmental Science, LLC	OWN	See endnote ⁵
			Tigris Environmental Science, LLC	OWN	Not required ⁷
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	
			Tigris Environmental Science, LLC	OWN	Not required ³

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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DATA MATRIX

Date July 8, 2016

EPA Reg. No./File Symbol 92022-XX

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Applicant's / Registrant's Name & Address

Tigris Environmental Science, LLC
501 Cascade Point Lane, Suite 102
Cary, NC 27513

Product

T103.01

Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tigris Environmental Science, LLC	OWN	Not required ⁸
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	See 830.7550
			Tigris Environmental Science, LLC	OWN	See 830.7550
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	Not required ³
			Tigris Environmental Science, LLC	OWN	Not required ³
				OLD	
				OLD	
				OLD	

Signature



Name and Title

Nicole O'Loughlin, Consultant

Date

July 8, 2016

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Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				OLD	
				OLD	
				OLD	
				PAY	
				PAY	
			The Scotts Company	PAY	
			BASF Corporation	PAY	
			BASF Corporation	PAY	
			BASF Corporation Agricultural Products	PAY	

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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Ingredient Chlorfenapyr (CAS No. 122453-73-0)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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			Janssen PMP	PAY	
			Spray Drift Task Force	PER	
			Ecto Development Corporation	PAY	
			Outdoor Residential Exposure Task Force	PER	
			Agricultural Reentry Task Force	PER	
			FIFRA Endangered Species Task Force, LLC	PAY	
			Agricultural Handler Exposure Task Force	PER	
			Argite, LLC	PER	

Signature 	Name and Title Nicole O'Loughlin, Consultant	Date July 8, 2016
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

October 17, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MS. NICOLE O'LOUGHLIN
PYXIS REGULATORY CONSULTING, INC., AGENT FOR
ATTICUS, LLC.
4110 136TH STREET CT NW
GIG HARBOR, WA 98332-9122

Dear Ms. O'Loughlin:

Subject: Transfer of Pesticide Registrations and Data From Company Number 92022
to Company Number 91234

Pursuant to your request in your letter and transfer agreement of August 22, 2016, we
have approved the transfer of the following registrations from **TIGRIS ENVIRONMENTAL
SCIENCE, LLC**, company number 92022 to **ATTICUS, LLC.**, company number 91234.

The effective date of these changes is the date of this letter.

<u>Pending Registered Products</u>	<u>Old EPA File Symbol</u>	<u>New EPA File Symbol</u>
T103.03	92022-E	91234-EG
T103.01	92022-G	91234-EU

You should indicate the new company designation, new EPA Registration Number and new Establishment Number (if it has changed) on the labeling at the next printing which should occur no later than 18 months after the effective date of this transfer. After 18 months, any product released for shipment must bear the new Registration Number and Establishment Number. If you intend to use the labels which currently appear on the transferor's product after the effective date of the transfer, but within the 18 month grace period, you must maintain complete and accurate records which identify by batch number, lot number, or other suitable description the quantities of such product bearing the transferor's label. Each container or package bearing the transferor's label which is released after the effective date of product registration transfer, must be clearly and accurately marked with the batch number, lot number or other descriptive designation used to identify the product in your records.

Supplemental distribution agreements of registered products do not transfer with the Section 3 registration. It is your responsibility as the registrant to notify any and all supplemental

distributors of the transferred product(s) of this transfer agreement. If you wish to enter into supplemental distribution agreements of your product(s) under this new registration, the form "Notice of Supplemental Distribution of a Registered Pesticide Product," EPA Form 8570-5, must be submitted to the Agency for each supplemental distributorship.

You are required to contact your local EPA Regional Office to determine what effect this transfer of pesticide registrations has on the pesticide production establishment registration.

It will not be necessary to submit labeling for review if the only changes are in the company designation and the EPA Registration Number. Other changes in the product and/or labeling may require EPA review and approval prior to distribution or sale of the product containing the new registration number. In any correspondence on these products always refer to the U.S. EPA Registration Number listed above.

The transferred registration will have the same status under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, 7 USC 136 et seq., as it had prior to the approval of this transfer.

When registrations are transferred from one company to a second company, all restrictions, data requirements, conditions (suspensions), and deadlines existing on the registrations are transferred with the registrations. The new company is responsible for adhering to or complying with all such restrictions, etc. on the acquired products.

With regard to deadlines, the transferee company is responsible for submitting all required data according to the schedules already established for the acquired products. Failure to do so will result in the issuance of a Notice of Intent to Suspend. Requests from transferee companies for additional time to submit, because they acquired the registration(s) after the 3(c)(2)(B) request was issued will not be granted. If a transferee company has other valid reasons for delays in the testing which were clearly outside of their control, then such requests for time extensions will be considered in accordance with the established procedures. Transfers occurring while a 3(c)(2)(B) request is being issued or during the 90-day response time are subject to the same conditions expressed above.

Registration is in no way to be construed as an endorsement or approval of these products by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with FIFRA.

Furthermore, the transfer of the subject registrations is approved under the condition that the annual maintenance fee obligation has been fully satisfied. The annual maintenance fee is based solely on the total number of active section 3 and section 24(c) registrations held by the transferor. If the annual maintenance fee has not been fully satisfied, the transferee and transferor will be notified to comply within a specified time period or the affected registrations may be canceled.

The Agency acknowledges it has received a request for data transfer dated August 22, 2016 to transfer data ownership from the transferor to the transferee. The data transfer is effective the date of this letter. After this date ATTICUS, LLC. will be considered the data

owner. This action will not automatically reflect on the Data Submitters List. If you want to be added to the Data Submitters List, you must submit a request to:

Document Processing Desk (DSL)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460

By copy of this letter we are informing the transferor of these changes. If you have any questions about this transfer approval please contact Louis Vaughn at (703) 308-8114.

Sincerely,



Steve Robbins, Chief
Information Services Branch
Information Technology & Resource Management Div. (7504P)

cc: MS. NICOLE O'LOUGHLIN
PYXIS REGULATORY CONSULTING, INC. , AGENT FOR
TIGRIS ENVIRONMENTAL SCIENCE, LLC
4110 136TH ST. CT. NW
GIG HARBOR, WA 98332

RE: L_92022_RAD_91234_10_17_2016

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND
POLLUTION PREVENTION

OFFICE OF PESTICIDES
REGISTRATION DIVISION

August 11, 2016

SIMILARITY CLINIC MEMORANDUM

Subject: EPA File Symbol: #92022-G
Product: (T103.01)
PC Codes: 129093
DP: 435155
Action Code: R301
Decision No. 519784

From: Masih Hashim, Lead Toxicologist *MH*
Chemistry, Inerts, and Toxicology Assessment Branch (CITAB)

Through: John C. Redden, M.S., Senior Assessor (CITAB)
Registration Division (7505P)

To: Richard Gebken, RM10 *JCR*
Invertebrate and Vertebrate Branch 2
Registration Division (7505P)

Applicant: Tigris Environmental Science, LLC
Cary, NC 27513

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Chlorfenapyr	21.45
Other ingredients	<u>78.55</u>
Total:	100.00%

BACKGROUND/ACTION REQUIRED: The Registrant is asking for a similarity action, from the cited Product #241-392 to the proposed product #92022-G, 21.45% Chlorfenapyr.

RECOMMENDATIONS: The acute toxicity data from #241-392 (Formulated product) can be used to cite the toxicity profile for the proposed product, 92022-G.

Acute oral toxicity	III	cited	43268204
Acute dermal toxicity	III	cited	43268205
Acute inhalation toxicity	III	cited	44763501
Primary eye irritation	IV	cited	43268206
Primary skin irritation	IV	cited	43268207
Dermal sensitization	neg.	cited	42770218

Note: The basic CSF for the proposed product (6-16-2016) should be approved by Product Chemistry (CITAB)/RD.

LABELING:

PRODUCT ID #: 092022-00003

PRODUCT NAME: T103.01

PRECAUTIONARY STATEMENTS

SIGNAL WORD:

CAUTION

Hazards to Humans and Domestic Animals:

Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco, or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Remove and wash contaminated clothing before reuse. Avoid breathing spray mist. Wear:

First Aid:

If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If inhaled:

- Move the person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

The following statements are suggested types of information that may be included, if applicable: - technical information on symptomatology; - use of supportive treatments to maintain life functions; - medicine that will counteract the specific physiological effects of the pesticide; - company telephone number to specific medical personnel who can provide specialized medical advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

User Safety Recommendations

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash outside of gloves before removing, and wash thoroughly and change into clean clothing, as soon as possible.

May 21, 1999

MEMORANDUM

EPA File Symbol: 241-GOE Chlorfenapyr (AC 303630 2 SC Termiticide-Insecticide)

DP Barcode: D255726

Case No: 061931

PC Code: 129093 Chlorfenapyr

From: Byron T. Backus, Ph.D., Toxicologist /s/
Technical Review Branch
Registration Division (7505C)

To: Ann Sibold/Arnold Layne, PM 03
Insecticide Branch
Registration Division (7505C)

Registrant: American Cyanamid Company

ACTION REQUESTED "Please review MRID 447635-01; "Acute Inhalation Toxicity Study with AC 303630 240g/L SC in Rats." Attached are copies of the label, CSF, previous acute tox reviews and administrative materials."

BACKGROUND: This acute inhalation toxicity study (MRID 44763501) was conducted at Huntingdon Life Sciences, Inc. (East Millstone, NJ). The registrant previously submitted acute oral LD50 (MRID 43268204), acute dermal LD50 (MRID 43268205), eye irritation (MRID 43268206) and dermal irritation (MRID 43268207) studies on this formulation; these studies have been reviewed in HED (Doc. No. 011245), and were all classified as acceptable.

COMMENTS AND RECOMMENDATIONS:

The inhalation toxicity study submitted for this product has been classified as acceptable.

The following is the acute toxicity profile for EPA File Symbol 241-GOE Chlorfenapyr, based on the results of the HED reviews for AC 303,630 2SC (21.24% a.i.; refer to Tox. Record No. 011245), as well as the findings in this inhalation study:

Acute Oral LD50	III	Acceptable
Acute Dermal LD50	III	Acceptable
Acute Inhalation LC50	III	Acceptable
Primary Eye Irritation	IV	Acceptable
Primary Dermal Irritation	IV	Acceptable
Dermal Sensitization	No	Cited ^a

^aData requirement satisfied by the results of studies on AC 303,630 3SC formulation (33.3% a.i.; in MRID 42770218) and on AC 303,630 technical (94.5% a.i.; in MRID 42770212).

Based on the acute toxicity profile indicated above, the following is the precautionary labeling for this product, as obtained from the label review system:

Date: 05/17/99

LABEL REVIEW SYSTEM

ID #: 000241-00392 CHLORFENAPYR (AC 303630 2SC)
TERMITICIDE-INSECTICI
AGRICULTURAL USE REQUIREMENTS:

DIRECTIONS FOR USE:

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear: coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear and waterproof gloves.

SIGNAL WORD: CAUTION

PRECAUTIONARY STATEMENTS:

Harmful if swallowed or absorbed through skin or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves.

STATEMENT OF PRA

TREATMENT (SOPT):

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO PHYSICIAN:

Note to PM/CRM/Registrant: The proposed label should contain a "Note to Physician." The following statements are suggested types of information that may be included, if applicable:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

[Note: This product is in toxicity category IV in terms of eye and dermal irritation potential, and so does not require the proposed statement "causes moderate eye irritation" or a Statement of Practical Treatment addressing eye exposure. However, we have no objections to toxicity category III labeling for a product which is in toxicity category IV in terms of a potential exposure hazard.]

The following statement should appear (or be included) under the heading **USER SAFETY RECOMMENDATIONS:**

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

DATA REVIEW FOR ACUTE INHALATION TOXICITY TESTING (870.1300, formerly §81-3)

Product Manager: 03
MRID No.: 44763501

Reviewer: Byron T. Backus, Ph.D.
Study Date: October 26, 1998
Laboratory Study No.: 98-5353

Testing Facility: Huntingdon Life Sciences, East Millstone, NJ 08875-2360
Author: Hoffman, G.M.

Quality Assurance (40 CFR §160.12): Included (p. 4)

Test Material: AC 303630 240 g/L SC Batch No. AC 11694-2F, containing 21.88% w/w AC 303630; a beige liquid.

Species: Rat, albino (outbred) VAF/Plus®: CD® (Sprague-Dawley derived) [CrI: CD®(SD)IGS¹ BR]; and (for one male exposure group) CD® (Sprague-Dawley derived) [CrI: CD®(SD)BR]

Age: 8-11 weeks at exposure

Weight: Males: 246-440 g; Females: 207-259 g

Source: Charles River Laboratories, Kingston, NY 12484 and Portage, Michigan

Conclusion:

1. **LC₅₀ (mg/L):**
 Males: =0.571 mg/L
 Females: >2.43 mg/L (1/5 died following exposure to this concentration)
 Combined: n/a
2. **The estimated LC₅₀ is 0.571 mg/L (95% C.L. of 0.365 to 0.891 mg/L)**
3. **Tox. Category: III**

Classification: Acceptable

Procedure (including deviations from 870.1300): "The test substance was mixed with distilled water. For groups that were exposed to 1.17 mg/L or more: "Approximately 100200...mL of AC 303630 240 g/L SC water mixture were placed into a 125250 mL Erlenmeyer flask and connected to fluid metering pump with a 1/8" piston. The test substance was fed from the pump directly into the liquid inlet of an air atomizing nozzle."

For groups that were exposed to 0.838 mg/L or less: "Approximately 55...mL of AC 303630 240 g/L SC water mixture were placed into a plastic syringe and mounted on a syringe pump. The test substance was fed from the syringe directly into the liquid inlet of an air atomizing nozzle..."

Exposure was nose-only.

Results:

Exposure Concentration (Gravimetrically Determined) mg/L	Number of Deaths/Number Tested		
	Males	Females	Combined
0.618	3/10 ^a	-	-
0.820	3/5 ^{a,b}	-	-
0.838	4/5 ^a	-	-
1.17	4/5 ^a	-	-
1.95	5/5 ^a	-	-
2.13	4/5 ^a	-	-
2.43	4/5	1/5	5/10

^aOnly males were tested at these exposure concentrations

^bNon-IGS male rats were used; the mortality from this exposure level was not used in the LC₅₀ computations.

Clinical Observations: "Labored breathing, noted in all exposure groups, and decreased activity, noted in the 2.43 mg/L group, were the only signs of toxicity noted during the exposure periods. During the fourth hour of exposure, animals were found dead in Group I [2.43 mg/L] (1), Group II [1.95 mg/L] (1), Group III [1.17 mg/L] (4), Group IV [2.13 mg/L] (1), Group VI [0.820 mg/L] (1) and Group VII [0.618 mg/L] (2). Beige material on the fur was also frequently noted as an artifact of the exposure regimen."

"Four animals per group were found dead upon removal from the chamber of during the 2hour post-exposure observation period, following the Group II (1.95 mg/L gravimetric), Group III (1.17 mg/L gravimetric) and Group IV (2.13 mg/L gravimetric) exposures. Three males per group were found dead upon removal from the chamber of during the 2hour post-exposure observation period, following the Group I (2.43 mg/L gravimetric), Group V (0.838 mg/L gravimetric), Group VI (0.820 mg/L gravimetric) and Group VII (0.618 mg/L gravimetric) exposures. One female in the 2.43 mg/L (gravimetric) group was found dead upon removal from the chamber. Among survivors, signs of toxicity included respiratory responses (labored breathing and moist rales) and secretory responses (acrimation, clear or red nasal discharge, excessive salivation, chromodacryorrhea and dried red material facial area). Prostration and poor condition generally preceded death in animals that were found dead following the exposures. Wet fur and beige material on fur were also noted but were considered artifacts of the nose-only exposure regimen."

"One male per group from Group I (2.43 mg/L gravimetric), Group II (1.95 mg/L gravimetric) and Group V (0.838 mg/L gravimetric) was found dead during the first day following the exposure. Among surviving animals, observations similar to those noted immediately following the exposure were seen up to 3 days after the exposure. The majority of clinical signs was resolved by 4 days following exposure."

Gross Necropsy Findings: "Abnormalities of the lungs and trachea, including red foci and/or fluid accumulation, were noted at necropsy for animals that died during the study. No treatment-related macroscopic abnormalities were noted at necropsy for animals surviving to termination."

Chamber Atmosphere			
Av. Grav. Conc. (mg/L)	Nominal Conc. (Mg/L)	MMAD (μm)	GSD
0.618	5.3	4.0 ± 0.34	1.8
0.820	6.7	4.2 ± 0.29	1.8
0.838	6.4	4.5 ± 0.1	1.8
1.17	10	4.6 ± 1.0	1.9
1.95	13	4.9 ± 0.42	2.0
2.13	20	4.9 ± 0.1	1.7
2.43	14	4.6 ± 0.42	2.2

Particle Size Distribution (Percent of Particles)			
Av. Grav. Conc. (mg/L)	$\leq 1.0 \mu\text{m}$	$\leq 4.0 \mu\text{m}$	$\leq 10 \mu\text{m}$
0.618	1.1	49	95
0.820	0.61	46	94
0.838	0.55	42	92
1.17	2.9	39	90
1.95	1.5	38	86
2.13	0.08	34	92
2.43	2.8	43	84

Other Information:

Chamber Environment	
Chamber Volume	40 L
Airflow	25 LPM
Temperature	20-25°C

Relative Humidity	38-72%
-------------------	--------

Special Comments: The inhalation LC₅₀ value for males is reported as 0.571 mg/L, with 95% C.L. of 0.365 to 0.891 mg/L. However, as 3/10 males died at following exposure to the lowest concentration (0.618 mg/L), then (using this observation alone) the probability that the LC₅₀ value is ≥ 0.618 mg/L is 0.828.

ACUTE TOX ONE-LINERS

1. **DP BARCODE:** D255726
2. **PC CODE:** 129093 Chlorfenapyr (proposed common name)
3. **CURRENT DATE:** May 21, 1999
4. **TEST MATERIAL:** EPA File Symbol: 241-GOE; Chlorfenapyr 2SC Termiticide-Insecticide; AC 303630 240 g/L SC Batch No. AC 11694-2F, containing 21.88% w/w AC 303630; a beige liquid.

Study/Species/Lab Study #/Date	MRID	Results	Tox. Cat.	Core Grade
Acute oral toxicity/rat/American Cyanamid Company/T-0588/JUN-09-1994 [See HED Document 011245]	43268204	Decreased activity, salivation, writhing and abnormal posture. In mortalities, grossly, dark and mottled liver, pronounced striations of abdominal wall, salivation, pale intestinal tracts, dark lungs and diarrhea were observed. LD ₅₀ (95%C.I.)=560 (410-890) mg/kg for males; =567 (281-988) mg/kg for females.	III ^a	A ^a
Acute dermal toxicity/rabbit/American Cyanamid Company/T-0592/JUN-09-1994 [See HED Document 011245]	43268205	LD ₅₀ > 2000 mg/kg (no mortalities among 5M, 5F rabbits), symptoms included nasal discharge and lacrimation.	III ^a	A ^a
Acute inhalation toxicity/rat/Huntingdon Life Sciences/98-5353/OCT-26-1998	44763501	LC ₅₀ (female) >2.43 mg/L (1/5 died); LC ₅₀ (male) = 0.571 mg/L (95% C.I. 0.365-0.891 mg/L), with 3/10 males dying at 0.618 mg/L.	III	A
Primary eye irritation/rabbit/American Cyanamid Company/T-0593/MAR-12-1994 [See HED Document 011245]	43268206	Slight-to-moderate conjunctival redness and slight ocular discharge present at 1 hour. All signs of irritation had resolved by 24 hours.	IV ^a	A ^a
Primary dermal irritation/rabbit/American Cyanamid Company/T-0594/MAY-12-1994 [See HED Document 011245]	43268207	Slightly irritating to rabbit skin. At 48 hr, 1/6 exhibited slight erythema which was gone at 72 hrs.	IV ^a	A ^a

^aThe acute oral, acute dermal, primary eye irritation, and dermal irritation studies were conducted on AC 303,630 2SC Lot #AC 8053-139 with 21.24% active ingredient. These studies were previously reviewed by HED; the toxicity categories and study classifications are taken from the summaries in the HED One-Liners.

Core Grade Key: A =Acceptable, S = Supplementary, U = Unacceptable, V = Self-Validated



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

July 28, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-519784
EPA File Symbol or Registration Number: 92022-G
Product Name: T103.01
EPA Receipt Date: 20-Jul-2016
EPA Company Number: 92022
Company Name: TIGRIS ENVIRONMENTAL SCIENCE, LLC

NICOLE O'LOUGHLIN
PYXIS REGULATORY CONSULTING, INC.
AGENT FOR TIGRIS ENVIRONMENTAL SCIENCE, LLC
4110 136TH ST. CT. NW
GIG HARBOR, WA 98332-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R301

NEW PRODUCT; IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND USE TO A REGISTERED PRODUCT; REGISTERED SOURCE OF ACTIVE INGREDIENT; SELECTIVE DATA CITATION ONLY FOR DATA ON PRODUCT CHEMISTRY / ACUTE TOXICITY / PUBLIC HEALTH PEST EFFICACY, WHERE APPLICANT DOES NOT OWN ALL REQUIRED DATA NOR HAS AUTHORIZATION LETTER FROM DATA OWNER;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "mjh".

Front End Processing Staff
Information Technology & Resources Management Division

Receipt for Section 3

S: 989309 Milestone Email: Nicole@PyxisRC.com

Regulatory Type: Product Registration - Section 3

Application Type: New Registration

Company: 92022 TIGRIS ENVIRONMENTAL SCIENCE, LLC

Risk Manager: Registration Division, Risk Management Team 10

Product #: 92022-G Product Name: T103.01

Override#:

☒ Me Too Section: 241-392 Me Too Product Name: PHANTOM TERMITICIDE INSECTICIDE

Application Date: 20-Jul-2016 OPP Rec'd Date: 20-Jul-2016

Front End Date: 20-Jul-2016 Risk Manager Send Date:

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Fast Track ☐ New Ingredient: ☐

Receipt Description:

Portal submission pkg. #12889. Registration for an end-use product containing Chlorfenapyr as the AI.

Form A ☐ Signature Date: Form B ☐ Signature Date:

Receipt Content

Study

CSF

III

7
Fee for Service

{989309J~

This package includes the following

- ☒ New Registration
- ☐ Amendment

☒ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr. **10**

Receipt No.

S- **989309**

EPA File Symbol/Reg. No.

92022-G

Pin-Punch Date:

7/20/2016

☐ This item is NOT subject to FFS action.

Action Code:

Requested: **R 301**

Granted: **R 301**

Amount Due: \$ **1,897**

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: Aswathy Balan

Date: 7/21/16

Remarks:

Similarity Clinic

DOCUMENTUM



Receipt

Your payment is complete

Pay.gov Tracking ID: 25SIMQCU
Agency Tracking ID: 75047351062
Form Name: Pesticide Registration Improvement Act - Prepayment
Application Name: PRIA Service Fees

Payment Information

Payment Type: Debit or credit card
Payment Amount: \$1,897.00
Transaction Date: 07/05/2016 01:47:57 PM EDT
Payment Date: 07/05/2016
Registration Number:
Company Name: Tigris Env'I Science, LLC
Company Number: 92022
Action Code: R301

Account Information

Cardholder Name: Kerrie Fersch
Card Type: Master Card
Card Number: *****3548

Email Confirmation Receipt

Confirmation Receipts have been emailed to:
Nicole@PyxisRC.com
kerrie.ihnen@cselifescience.com

Decision Seq: 519784 Action Code: R301, NEW PRODUCT, IDENTICAL OR SUBSTANTIALLY SIMILAR

FFS Start Date: 10-Aug-2016 Tentative Ind: No Start/Stop Clock FQPA Clock:

Due Date: 12-Dec-2016 75-Day Due Date: Days Elapsed:

OPP Target Due Date: 21-Day Due Date: 10-Aug-2016 FFS Original Decision:

Negotiated Due Date: 45-Day Due Date: 28-Sep-2016

Registrant: [REDACTED] Predecisional Due Date: 28-Nov-2016 Add to Bundle? ☐

Response Due Date:

Current Status: PENDING (28-Jul-2016)

Bundle ID:

Decision Status

Tracking

Create Resubmission

FFS Letters

Waiver Documentation

Action Code History

Secondary Decision

Decision Bundle

75 Day Letters

45/90 Day Screen

Primary Decisions

Decision Milestone

FFS Negotiated Due Dates

OPP Target Due Date

Decision Comments

Payment

Unmatched Payments

Decision Ownership

Receipts

Data Package

Reduced Risk

Meetings & Milestones

FFS Information

Receipts

Staff Member

Reg/DCI Number

Submission Due Dt

Response

S: 989309 King, Katelynn 92022-G 12-Dec-2016 PENDING

New Chorfenapyr termiticide product.

III

Viewing Record 1 of 1

waiting for data,
then Jim Clinic shelf
8/5/16
SA

21-Day Screen Completed by
Contractor

21-Day Expires on 8-10-16

Jacket # 92022-G
MRID# 499514

Content Screen: Recommend to **Pass/Fail**

11-3 Review: **Pass/Fail/NA**

Overall Status: Recommend to **Pass/Fail**

Transfer This Jacket to:

STEPHEN SCHAILBE

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 7-20-16

Experts In-Processing Signature: B.B.

Date 7-28-16

Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>92022-G</u>		EPA Receipt Date: <u>7-20-16</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All inerts, including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)			X		
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)			X		
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			
	<u>Required Data</u> and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments:

Documentation: PASS

- All required forms are complete.

Inerts: PASS

- Inerts approved for non-food use.

IL-3: PASS

- MRID 499514

Status: PASS

- MS 08/04/16

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the [inert Web site](#) and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the [Chief of Microbial Pesticides Branch](#).

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

R 300 and 301

100% identical (repack): YES or (NO) (circle one)

{If **yes**, it's a 100% repack - then product chemistry, acute toxicity and efficacy data are not required}

Data on Group A and B must be submitted - Group A and B can not be cited.

Guideline No.	Group A: Product Chemistry Data Study Title	Data submitted	
		Yes	No
830.1550	Product Identity & Composition	✓	
830.1600	Description of materials used to produce the product	✓	
830.1650	Description of formulation process	✓	
830.1670	Discussion on the formation of impurities	✓	
830.1700	Preliminary analysis <i>Not Required</i>		✓
830.1750	Certified limits (158.345)	✓	
830.1800	Enforcement analytical method	✓	

Guideline No.	Group B: Product Chemistry Data Study Title	Data submitted	
		Yes	No
830.6302	Color	✓	
830.6303	Physical State	✓	
830.6304	Odor	✓	
830.6314	Oxidation/Reduction (Chemical incompatibility)	✓	
830.6315	Flammability	✓	
830.6316	Explosibility <i>Not Required</i>		✓
830.6317	Storage stability	✓	
830.6319	Miscibility <i>Not Required</i>		✓
830.6320	Corrosion Characteristics	✓	
830.6321	Dielectric Breakdown voltage <i>Not Required</i>		✓
830.7000	pH	✓	
830.7100	Viscosity	✓	
830.7300	Density	✓	

R 300 and 301

New products must provide a bridging rationale document. The bridging document directs OPP to use a currently registered set of 6 acute toxicity data and label; instead of submitting product specific data.

Guideline No.	Acute toxicity (6 pack) Study Title	Cited	
		Yes	No
870.1100	Acute Oral (LD50)	✓	
870.1200	Acute Dermal (LD50)	✓	
870.1300	Acute Inhalation (LC50)	✓	
870.2400	Acute Eye Irritation	✓	
870.2500	Acute Dermal Irritation	✓	
870.2600	Dermal Sensitization	✓	

Efficacy – which guideline depends on the proposed label use and they must cite the data to be used for the bridging rationale.

Guideline No.	Efficacy Study Titles	Cited		Comments
		Yes	No	
810.3100	Soil Treatments for Imported Fire Ants		✓	
810.3200	Livestock, Poultry, Fur and Wool-Bearing Animal Treatments		✓	
810.3300	Treatments to Control Pests of Humans and Pets		✓	
810.3400	Mosquito, Black Fly, and Biting Midge (Sand Fly) Treatments		✓	
810.3500	Premises Treatments	✓		
810.3600	Structural Treatments	✓		
810.3800	Methods for Efficacy Testing of Termite Baits		✓	

